

Anti-FDPS/FPS antibody [EPR4628] - BSA and Azide free ab247743

重组 RabMAb

4 图像

概述

产品名称	Anti-FDPS/FPS抗体[EPR4628] - BSA and Azide free
描述	兔单克隆抗体[EPR4628] to FDPS/FPS - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, Flow Cyt (Intra) 不适用于: ICC/IF or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	THP1, HepG2, and Human fetal liver lysates; Human kidney tissue.
常规说明	<p>ab247743 is the carrier-free version of ab109007.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4628
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab247743 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98 degree C, below boiling, and then let cool for 10-20 minutes.
WB		Use at an assay dependent concentration. Predicted molecular weight: 48 kDa.
Flow Cyt (Intra)		Use at an assay dependent concentration.

应用说明 Is unsuitable for ICC/IF or IP.

靶标

功能	Key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. FPP also serves as substrate for protein farnesylation and geranylgeranylation. Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate.
通路	Isoprenoid biosynthesis; farnesyl diphosphate biosynthesis; farnesyl diphosphate from geranyl diphosphate and isopentenyl diphosphate: step 1/1.

Isoprenoid biosynthesis; geranyl diphosphate biosynthesis; geranyl diphosphate from dimethylallyl diphosphate and isopentenyl diphosphate: step 1/1.

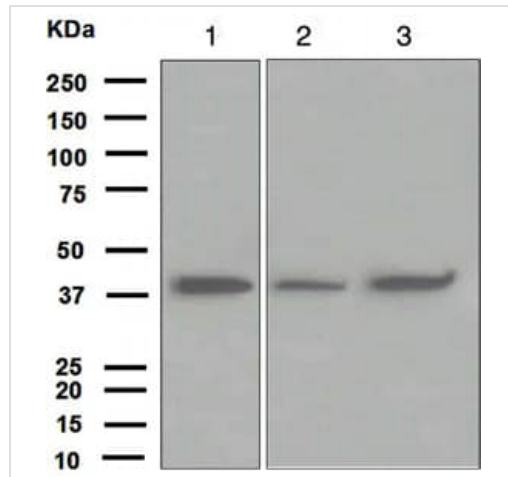
序列相似性

Belongs to the FPP/GGPP synthase family.

细胞定位

Cytoplasm.

图片



Western blot - Anti-FDPS/FPS antibody [EPR4628]
- BSA and Azide free (ab247743)

All lanes : Anti-FDPS/FPS antibody [EPR4628] ([ab109007](#)) at 1/1000 dilution

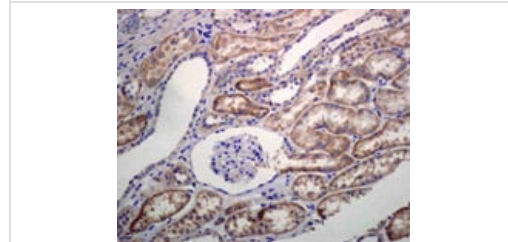
Lane 1 : THP1 cell lysates

Lane 2 : HepG2 cell lysates

Lane 3 : Human fetal liver lysates

Predicted band size: 48 kDa

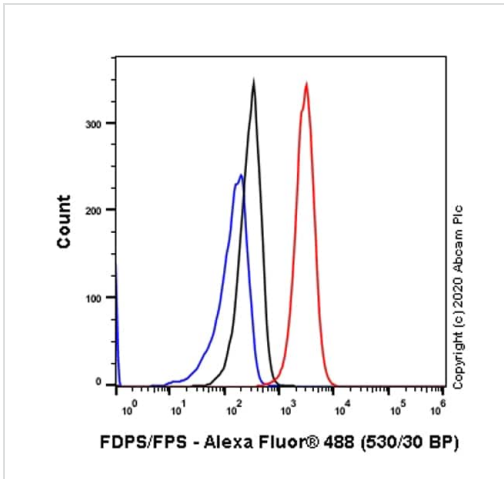
This data was developed using [ab109007](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FDPS/FPS antibody [EPR4628] - BSA and Azide free (ab247743)

This data was developed using [ab109007](#), the same antibody clone in a different buffer formulation.

[ab109007](#) at 1/100 dilution staining FDPS/FPS in Human kidney by Immunohistochemistry, Paraffin-embedded tissue. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



This data was developed using **ab109007**, the same antibody clone in a different buffer formulation.

Flow Cytometry analysis of THP-1 (Human monocytic leukemia monocyte) cells labeling FDPS/FPS with purified **ab109007** at 1/1000 dilution (1 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

Flow Cytometry (Intracellular) - Anti-FDPS/FPS antibody [EPR4628] - BSA and Azide free (ab247743)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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